IN THE UNITED STATES PATENT AND TRADEMARK OFFICE PATENT APPLICATION

5 Entitled: Nozzle vane with two slopes

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ABSTRACT OF THE DISCLOSURE

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A nozzle vane for a rotary disk of a turbomachine, the vane comprising pressure side and suction side surfaces extending radially between a base and a tip and longitudinally between a leading edge and a trailing edge, with a plurality of vane sections having centers of gravity aligned along a stacking axis, the vane presenting a lower portion, an intermediate portion, and an upper portion, the lower portion extending radially between the base of the vane and a lower limit of the intermediate portion, and the upper portion extending radially between an upper limit of the intermediate portion and the tip of the vane, the stacking axis presenting, in the lower and upper portions, a tangential component that is substantially radial, and in the intermediate portion, a tangential component with two slopes.